

## **REMARKS**

This is a full and timely response to the outstanding non-final Office Action mailed December 14, 2007. Claims 1-20 remain pending in the present application. Reconsideration and allowance of the application and pending claims are respectfully requested.

### **I. Claim Rejections - 35 U.S.C. § 101**

Claims 10 and 17-20 have been rejected under 35 U.S.C. § 101 for allegedly being directed to non-statutory subject matter. Independent claim 10 has been amended to recite a processor. Claims 17-20 have been amended to recite a computer readable storage medium. Therefore, the claims, as amended, are directed to statutory subject matter, and withdrawal of the rejections is respectfully requested.

### **II. Claim Rejections - 35 U.S.C. § 102(b)**

Claims 1-20 have been rejected under 35 U.S.C. § 102(b) as allegedly being anticipated by *Pace* (U.S. Patent Publication No. 2003/0050932). Applicant respectfully traverses the rejections.

#### **a. Claim 1**

As provided in independent claim 1, Applicant claims:

A method to provide a service in a controlled run-time environment, comprising:

***registering a proxy service in said controlled run-time environment wherein said proxy service implements an interface defined according to said controlled run-time***

***environment configured to services operating in said controlled run-time environment to interoperate with said proxy service;***

***receiving service information by said proxy service from a local service executing in said controlled run-time environment via an interface method of said proxy service;***

communicating said service information to a remote service from said proxy service;

receiving processed information from said remote service in response to said communicating; and

returning said processed information to said local service from said proxy service.

(Emphasis added).

Applicant respectfully submits that independent claim 1 is allowable for at least the reason that *Pace* does not disclose, teach, or suggest at least "registering a proxy service in said controlled run-time environment wherein said proxy service implements an interface defined according to said controlled run-time environment configured to services operating in said controlled run-time environment to interoperate with said proxy service" and "receiving service information by said proxy service from a local service executing in said controlled run-time environment via an interface method of said proxy service," as emphasized above.

Rather, *Pace* describes a system where application components are delivered to an application server over one or more tiers of a network. *Pace* discloses that an application component may be distributed across a network, e.g., across network tiers, with part(s) of the source environment that is needed to run the asset. See para. 0336. *Pace* further discloses the use of a stub object which acts a proxy of an actual object; that a CDS/ADS can proxy a

request for a server being requested from a target environment; and that the server would either be on the CDS/ADS or in the source environment. See paras. 0902-0903. Therefore, *Pace* does not disclose that a proxy service executed in a controlled run-time environment is used by another local service to the controlled run-time environment. Rather, *Pace* discloses that a service in one environment (e.g., target environment) makes use of a proxy service in a different environment (e.g., on the CDS/ADS). For at least this reason, *Pace* fails to teach or suggest "registering a proxy service in said controlled run-time environment wherein said proxy service implements an interface defined according to said controlled run-time environment configured to services operating in said controlled run-time environment to interoperate with said proxy service" and "receiving service information by said proxy service from a local service executing in said controlled run-time environment via an interface method of said proxy service," as recited in claim 1.

As a result, *Pace* does not anticipate claim 1, and the rejection of claim 1 should be withdrawn.

**b. Claims 2-9**

Claim 1 is allowable over the cited art of record for at least the reasons given above. Since claims 2-9 depend from claim 1 and recite additional features, claims 2-9 are allowable as a matter of law over the cited art of record.

c. **Claim 10**

As provided in independent claim 10, Applicant claims:

A system to provide a modular software service, the system having a processor and comprising:

controlled run-time environment means for managing processes;

service registry means for registering services operating in said controlled run-time environment means, wherein at least one registered service is a proxy service means;

***said proxy service means implementing an interface defined according to said controlled run-time environment means for enabling services operating in said controlled run-time environment means to interoperate with said proxy service means, said proxy service means comprising:***

***means for receiving service information by said proxy service means from a local service executing in said controlled run-time environment means;***

means for communicating said service information to a remote service from said proxy service means;

means for receiving processed information from said remote service in response to said communicated service information; and

means for returning said processed information to said local service.

(Emphasis added).

Applicant respectfully submits that independent claim 10 is allowable for at least the reason that *Pace* does not disclose, teach, or suggest at least "said proxy service means implementing an interface defined according to said controlled run-time environment means for enabling services operating in said controlled run-time environment means to interoperate with said proxy service means, said proxy service means comprising: means for receiving service information by said proxy service means from a local service executing in said controlled run-time environment means," as emphasized above.

Rather, *Pace* describes a system where application components are delivered to an application server over one or more tiers of a network. *Pace* discloses that an application component may be distributed across a network, e.g., across network tiers, with part(s) of the source environment that is needed to run the asset. See para. 0336. *Pace* further discloses the use of a stub object which acts a proxy of an actual object; that a CDS/ADS can proxy a request for a server being requested from a target environment; and that the server would either be on the CDS/ADS or in the source environment. See paras. 0902-0903. Therefore, *Pace* does not disclose that a proxy service executed in a controlled run-time environment is used by another local service to the controlled run-time environment. Rather, *Pace* discloses that a service in one environment (e.g., target environment) makes use of a proxy service in a different environment (e.g., on the CDS/ADS). For at least this reason, *Pace* fails to teach or suggest at least "said proxy service means implementing an interface defined according to said controlled run-time environment means for enabling services operating in said controlled run-time environment means to interoperate with said proxy service means, said proxy service means comprising: means for receiving service information by said proxy service means from a local service executing in said controlled run-time environment means," as recited in claim 10.

As a result, *Pace* does not anticipate claim 10, and the rejection of claim 10 should be withdrawn.

d. Claims 11-16

Claim 10 is allowable over the cited art of record for at least the reasons given above. Since claims 11-16 depend from claim 10 and recite additional features, claims 11-16 are allowable as a matter of law over the cited art of record.

e. Claim 17

As provided in independent claim 17, Applicant claims:

A computer-readable storage medium that comprises executable instructions for providing a service in a controlled run-time environment, said executable instructions comprising:

***code for registering a proxy service in said controlled run-time environment wherein said proxy service implements an interface defined according to said controlled run-time environment to enable services operating in said controlled run-time environment to interoperate with said service;***

***code for receiving service information by said proxy service from a local service executing in said controlled run-time environment via a method of said proxy service;***

code for communicating said service information to a remote service from said proxy service;

code for receiving processed information from said remote service in response to said communicating; and

code for returning said processed information to said local service from said proxy service.

(Emphasis added).

Applicant respectfully submits that independent claim 17 is allowable for at least the reason that *Pace* does not disclose, teach, or suggest at least "code for registering a proxy service in said controlled run-time environment wherein said proxy service implements an interface defined according to said controlled run-time environment to enable services operating in said controlled run-time environment to interoperate with said service" and "code for receiving service

information by said proxy service from a local service executing in said controlled run-time environment via a method of said proxy service," as emphasized above.

Rather, *Pace* describes a system where application components are delivered to an application server over one or more tiers of a network. *Pace* discloses that an application component may be distributed across a network, e.g., across network tiers, with part(s) of the source environment that is needed to run the asset. See para. 0336. *Pace* further discloses the use of a stub object which acts a proxy of an actual object; that a CDS/ADS can proxy a request for a server being requested from a target environment; and that the server would either be on the CDS/ADS or in the source environment. See paras. 0902-0903. Therefore, *Pace* does not disclose that a proxy service executed in a controlled run-time environment is used by another local service to the controlled run-time environment. Rather, *Pace* discloses that a service in one environment (e.g., target environment) makes use of a proxy service in a different environment (e.g., on the CDS/ADS). For at least this reason, *Pace* fails to teach or suggest at least "code for registering a proxy service in said controlled run-time environment wherein said proxy service implements an interface defined according to said controlled run-time environment to enable services operating in said controlled run-time environment to interoperate with said service" and "code for receiving service information by said proxy service from a local service executing in said controlled run-time environment via a method of said proxy service," as recited in claim 17.

As a result, *Pace* does not anticipate claim 17, and the rejection of claim 17 should be withdrawn.

e. **Claims 18-20**

Claim 17 is allowable over the cited art of record for at least the reasons given above. Since claims 18-20 depend from claim 17 and recite additional features, claims 18-20 are allowable as a matter of law over the cited art of record.

**CONCLUSION**

Applicant respectfully submits that Applicant's pending claims are in condition for allowance. Favorable reconsideration and allowance of the present application and all pending claims are hereby courteously requested. If, in the opinion of the Examiner, a telephonic conference would expedite the examination of this matter, the Examiner is invited to call the undersigned attorney at (770) 933-9500.

Respectfully submitted,

  
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